

SIEMENS

POLYMOBIL III

SP

Planning Guide

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English

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all	all	04

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General notes ♦

- With distribution of this revision level, all preceding planning guides, Speed - Infos (PG's) and drafts lose their validity.
- All layouts issued by the Planning Departments must bear a note referring to the installation and delivery conditions of Siemens Medical Engineering Group. The installation and delivery conditions must be submitted with the layouts.
- Unless otherwise specified, all dimensions are indicated in "mm".

- ♦ - The symbol indicates a change (see revision status).



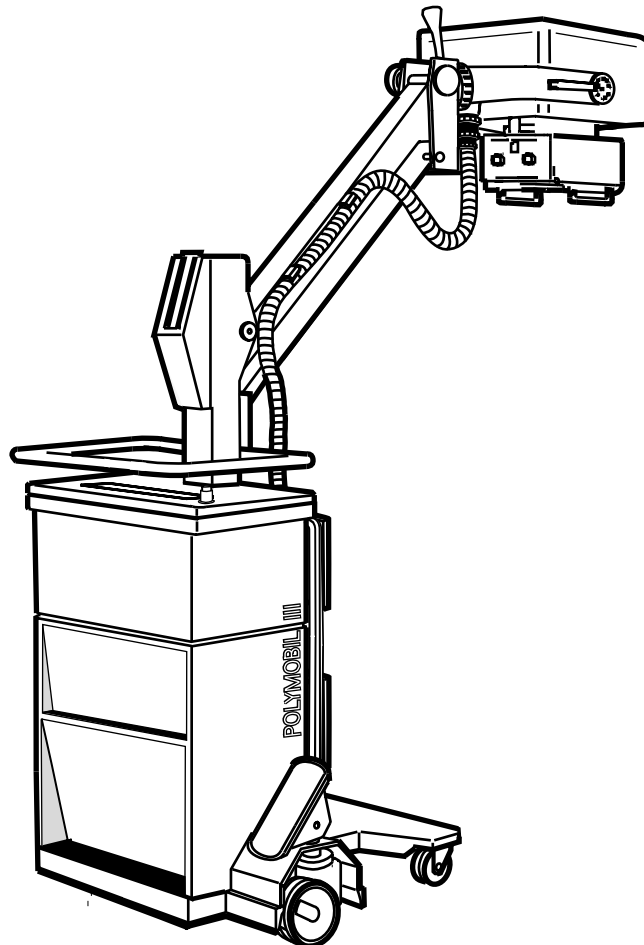
- Orientation points
Points specific to system components to which reference is made when positioning system components to each other or in the room.
The isocenter of a radiographic system is always illustrated as the orientation point.
- Fixpoints
Clearly marked points on system components, installation ceiling, walls or floor on which cable outlets are located.
Illustration in the drawings: circle with letter/number-combination.
The cable lengths establish the maximum fixpoint distances and thus the maximum distances between the individual system components.
- Room height
The room height is the distance measured from the top surface of the floor to the bottom surface of the ceiling structural elements (Unistrut rails) (bottom surface of drop ceiling).
- Room lighting
For the constancy test according to DIN 68 68-57, it must be possible to dim the lighting in rooms in which diagnosis is made on image playback devices (monitors).
For the constancy test, it is also required that the value documented in the acceptance test must be exactly reproducible.
- According to DIN 68 68-57 (international standard in preparation), the lighting in rooms in which image playback devices (monitors) are used for diagnosis, the following requirements must be met:
 - adjustable, no anti-glare screen, reproducible adjustment of the lighting (e. g. dimmer with scala),
 - no glare or reflection from windows, lights and light boxes in the standard working position of the monitors.

Hotline + 49 (9191) 18 - 8080

Safety

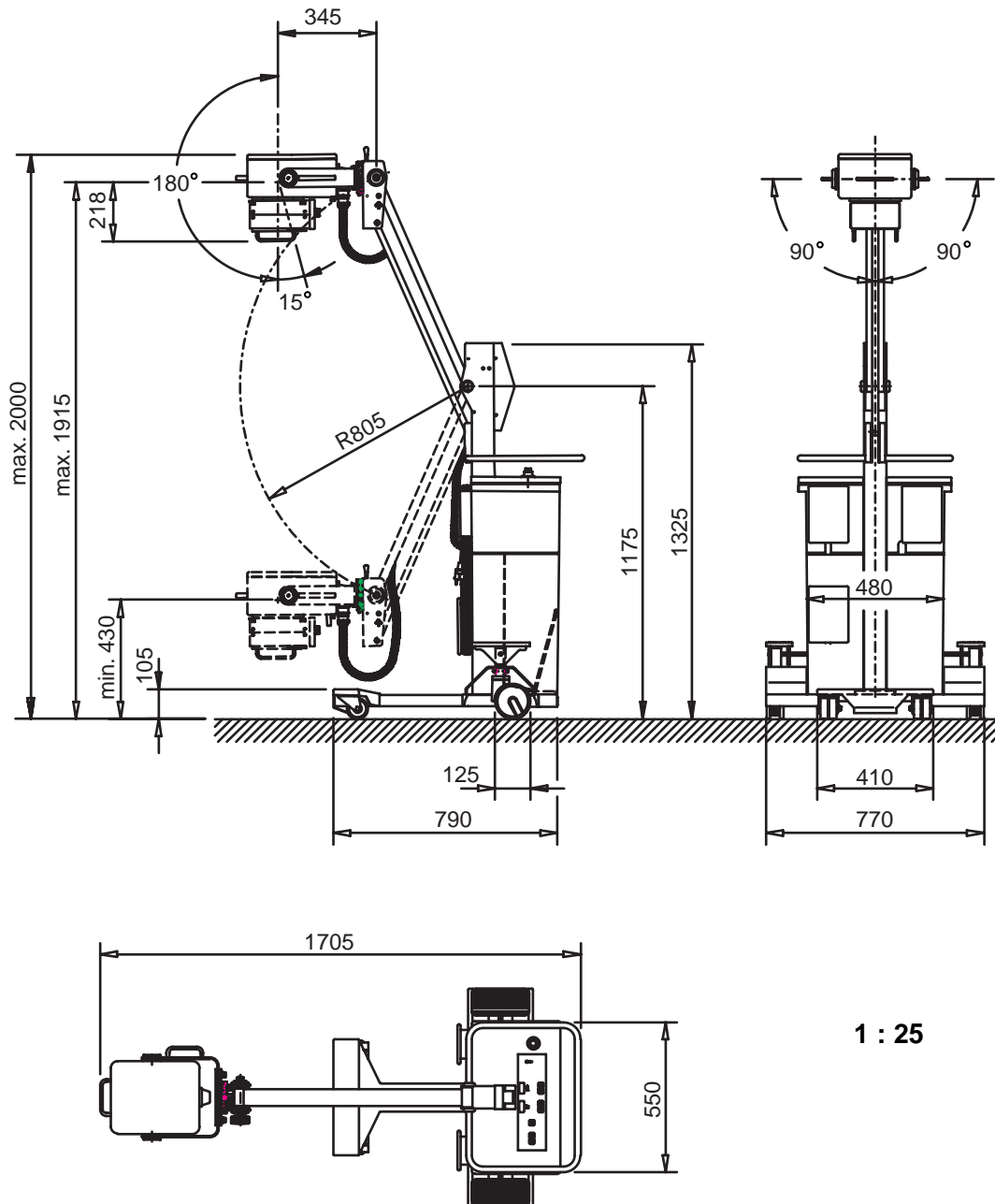
- The provisions of the relevant fire protection regulations must be observed for the premises.
- The system has been developed according to EN 60601 - 1.
- Minimum dimensions (e. g. room heights, safety distances) indicated in the planning guides are marked "min."
- ◆ - Basic resistance to electromagnetic sources of interference.
Result of lightning discharges.
The protection targets of the different lightning protection areas up to the unit connection are also specified in the IEC 1024, DIN 48810, VDE 0675 and in the DEMVT recommendations

System configuration



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Dimensions: POLYMOBIL III



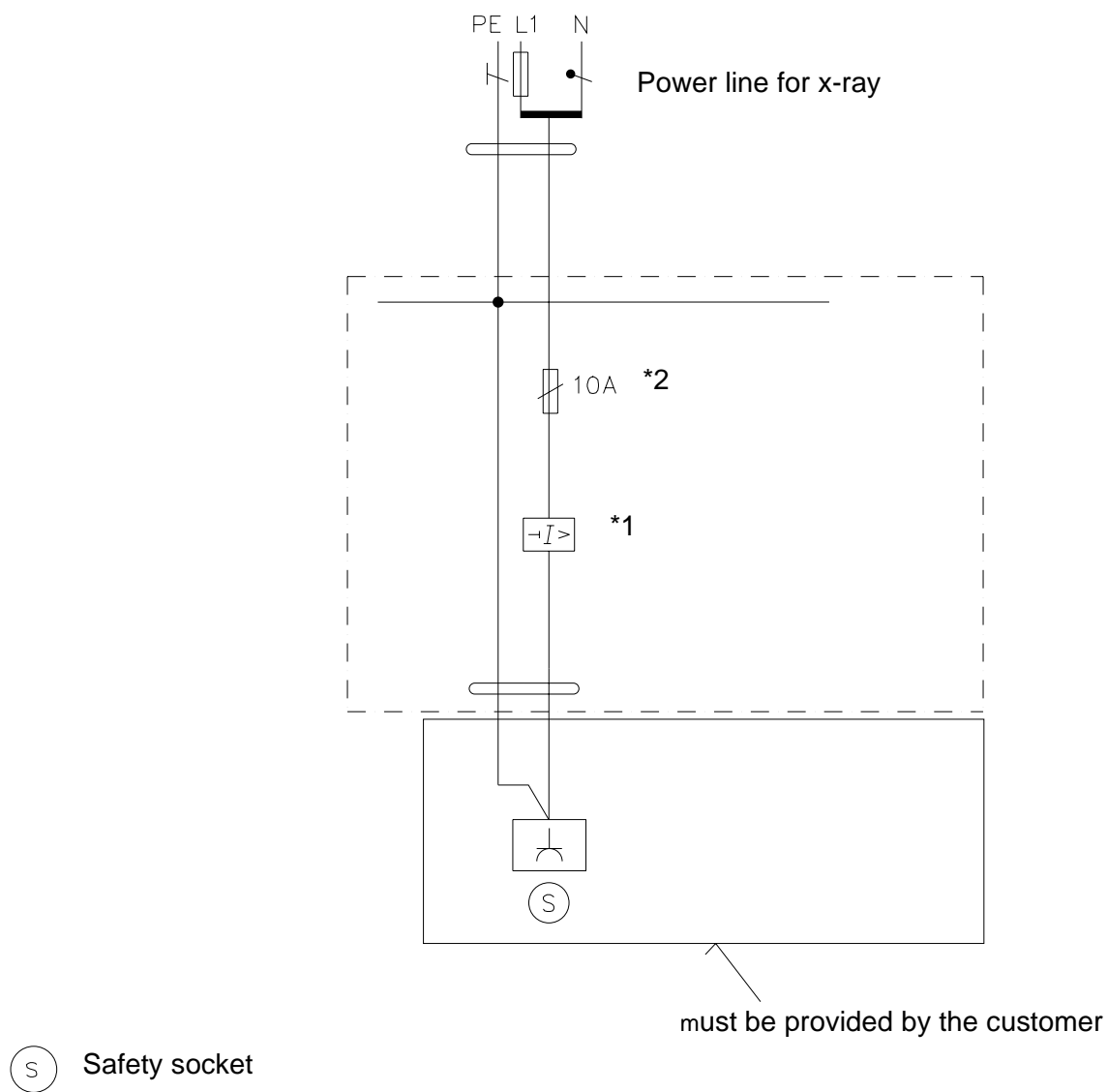
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Installation notes

- The Polymobil III may only be operated in rooms used for medical purposes, and only when the installation is in accordance with the provisions of DIN VDE 0107.
- It shall be assumed that in all countries outside the Federal Republic of Germany all of the local, state and regional requirements shall be observed.
- When planning make sure that the plug connection for the system can be easily and quickly removed from the power line in hazardous situations.
- The power supply cable (3 x 1.5 mm²) is 5 m long and provided with plug.
- In countries where the safety plug is not permitted, replace it by a plug customary in the country.

Electrical installation on site

Recommendation for on-site power distributor according to DIN VDE 0107



*1 Fault current circuit breaker $I_{\Delta N}$ 30 mA for alternating and pulsating direct currents

*2 At 110 V / 16 A, at 230 V / 10 A

Electrical data ♦

	Power supply	Internal line impedance	Power consumption
POLYMOBIL III	1/N/PE ~ 110 V ± 10 %, 50/60 Hz	max. 0.3 Ω	approx. 3.08 kVA
	1/N/PE ~ 230 V ± 10 %, 50/60 Hz	max. 0.9 Ω	approx. 4.60 kVA

Weight and heat dissipation

	Weight [kg]	Heat dissipation [W]
POLYMOBIL III	153 kg	0.12 kW

Environmental conditions ♦

POLYMOBIL III	Operation	Transport	Storage
permissible ambient temperature	+ 10° ... + 40° C	- 20° ... + 70° C	- 20° ... + 70° C
permissible relative humidity	30 % ... 75 %	10 % ... 100 %	10 % ... 100 %
permissible air pressure	700 hPa ... 1060 hPa	500 hPa ... 1060 hPa	500 hPa ... 1060 hPa

Packing and transport routes

largest crate	L 1380 x W 840 x H 1620 mm
heaviest single part	approx. 225 kg with packing approx. 153 kg without packing
minimum door width for transport (without packing)	min. 815 mm door width

Surface colors

Main color	white pebbled; Med surface No. 4146 similar RAL grey - white 9002
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Responsibility of the project manager towards the service contractor

The scope of the project manager's responsibilities requires that he

- is at the installation site when the system arrives
- supports the service contractor in solving problems
- clarifies the final location of the individual components
- checks to ensure that the installation is proceeding as specified
- clarifies problems together with the service contractor prior to the delivery of the system, e. g.
 - establishes the transport route of the truck
 - establishes the transport route within the building

NOTICE

The supervising SIEMENS project manager is responsible for the entire project management.

Furthermore, he is responsible for perfect and proper installation of the system.

Perform the further work according to the technical documentation (customer service instructions, installation instructions, etc.).

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Chapter	Page	Change
0-6		Layout changes, thus a Rev. level change from 03 to 04
1	1-1 and 1-2	General Notes updated
1	1-3	System configuration, illustration updated
2	2-1	Illustration updated
4	4-1 and 4-2	Technical Data updated
5		Project Management, chapter added
6	6-1	Changes to Previous Version updated

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